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## SEQUENCE LISTING

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Kolakowski, Lee F., Jr.  
Clark, Janet  
Bonner, Tom I.

<120> NOVEL GABAB RECEPTOR DNA SEQUENCES

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Leu	Ala	Ala	Met	305	Glu	Gly	Tyr	Ile	Gly	310	Val	Asp	Phe	315	Glu	Pro	Leu
Ser	Lys	Gln	Ile	325	Lys	Thr	Ile	Ser	Gly	330	Lys	Thr	Pro	335	Gln	Gln	Tyr
Arg	Glu	Tyr	Asn	340	Asn	Lys	Arg	Ser	Gly	345	Val	Gly	Pro	350	Ser	Lys	Phe
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Ala	Met	Glu	Thr	370	Leu	His	Ala	Ser	Ser	375	Arg	His	Gln	380	Arg	Ile	Gln
Phe	Asn	Tyr	Thr	385	Asp	His	Thr	Leu	Gly	390	Arg	Ile	Ile	395	Leu	Asn	Ala
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Gly	Glu	Arg	Met	420	Gly	Thr	Ile	Lys	Phe	425	Thr	Gln	Phe	430	Gln	Asp	Ser
Glu	Val	Lys	Val	435	Gly	Glu	Tyr	Asn	Ala	440	Val	Ala	Asp	445	Thr	Leu	Glu
Ile	Asn	Asp	Thr	450	Ile	Arg	Phe	Gln	Gly	455	Ser	Glu	Pro	460	Pro	Lys	Asp
Thr	Ile	Ile	Leu	465	Glu	Gln	Leu	Arg	Lys	470	Ile	Ser	Leu	475	Pro	Leu	Tyr
Ile	Leu	Ser	Ala	485	Leu	Thr	Ile	Leu	Gly	490	Met	Ile	Met	495	Ala	Ser	Ala
Leu	Phe	Phe	Asn	500	Ile	Lys	Asn	Arg	Asn	505	Gln	Lys	Leu	510	Ile	Lys	Met
Ser	Pro	Tyr	Met	515	Asn	Asn	Leu	Ile	Ile	520	Leu	Gly	Gly	525	Met	Leu	Ser
Ala	Ser	Ile	Phe	530	Leu	Phe	Gly	Leu	Asp	535	Gly	Ser	Phe	540	Val	Ser	Glu
Thr	Phe	Glu	Thr	545	Leu	Cys	Thr	Val	Arg	550	Thr	Trp	Ile	555	Leu	Thr	Val
Tyr	Thr	Thr	Ala	565	Phe	Gly	Ala	Met	Phe	570	Ala	Lys	Thr	575	Trp	Arg	Val
Ala	Ile	Phe	Lys	580	Asn	Val	Lys	Met	Lys	585	Lys	Lys	Ile	590	Ile	Lys	Asp
Lys	Leu	Leu	Val	595	Ile	Val	Gly	Gly	Met	600	Leu	Leu	Ile	605	Asp	Leu	Cys
Leu	Ile	Cys	Trp	610	Gln	Ala	Val	Asp	Pro	615	Leu	Arg	Arg	620	Thr	Val	Glu
Tyr	Ser	Met	Glu	625	Pro	Asp	Pro	Ala	Gly	630	Arg	Asp	Ile	635	Ser	Ile	Arg
Leu	Leu	Glu	His	645	Cys	Glu	Asn	Thr	His	650	Met	Thr	Ile	655	Trp	Leu	Gly
Val	Tyr	Ala	Tyr		Lys	Gly	Leu	Leu	Met		Leu	Phe	Gly		Cys	Phe	Leu

Trp	Glu	Thr	Arg	Asn	Val	Ser	Ile	Pro	Ala	Leu	Asn	Asp	Ser	Lys	Tyr
Ile	Gly	Met	Ser	Val	Tyr	Asn	Val	Gly	Ile	Met	Cys	Ile	Ile	Gly	Ala
Ala	Val	Ser	Phe	Leu	Thr	Arg	Asp	Gln	Pro	Asn	Val	Gln	Phe	Cys	Ile
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Phe	Val	Pro	Lys	Leu	Ile	Thr	Leu	Arg	Thr	Asn	Pro	Asp	Ala	Ala	Thr
Gln	Asn	Arg	Arg	Phe	Gln	Phe	Thr	Gln	Asn	Gln	Lys	Lys	Glu	Asp	Ser
Lys	Thr	Ser	Thr	Ser	Val	Thr	Ser	Val	Asn	Gln	Ala	Ser	Thr	Ser	Arg
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&lt;210&gt; 19

&lt;211&gt; 2883

&lt;212&gt; DNA

&lt;213&gt; Mus musculus

&lt;400&gt; 19

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&lt;210&gt; 20

&lt;211&gt; 960

&lt;212&gt; PRT

&lt;213&gt; Mus musculus

&lt;400&gt; 20

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His Pro Pro Trp Glu Gly Gly Ile Arg Tyr Arg Gly Leu Ile Arg Asp
35      40      45
Gln Val Lys Ala Ile Asn Phe Leu Pro Val Asp Tyr Glu Ile Glu Tyr
50      55      60
Val Cys Arg Gly Glu Arg Glu Val Val Gly Pro Lys Val Arg Lys Cys
65      70      75      80
Leu Ala Asn Gly Ser Trp Thr Asp Met Asp Thr Pro Ser Arg Cys Val
85      90      95
Arg Ile Cys Ser Lys Ser Tyr Leu Thr Leu Glu Asn Gly Lys Val Phe
100      105      110
Leu Thr Gly Gly Asp Leu Pro Ala Leu Asp Gly Ala Arg Val Asp Phe
115      120      125
Arg Cys Asp Pro Asp Phe His Leu Val Gly Ser Ser Arg Ser Ile Cys
130      135      140
Ser Gln Gly Gln Trp Ser Thr Pro Lys Pro His Cys Gln Val Asn Arg
145      150      155      160
Thr Pro His Ser Glu Arg Arg Ala Val Tyr Ile Gly Ala Leu Phe Pro
165      170      175
Met Ser Gly Gly Trp Pro Gly Gly Gln Ala Cys Gln Pro Ala Val Glu
180      185      190
Met Ala Leu Glu Asp Val Asn Ser Arg Arg Asp Ile Leu Pro Asp Tyr
195      200      205

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 Thr Lys Tyr Leu Tyr Glu Leu Leu Tyr Asn Asp Pro Ile Lys Ile Ile  
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 245 250 255  
 Arg Met Trp Asn Leu Ile Val Leu Ser Tyr Gly Ser Ser Ser Pro Ala  
 260 265 270  
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 Thr Leu Asp Asp Leu Glu Glu Arg Val Lys Glu Ala Gly Ile Glu Ile  
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 Thr Phe Arg Gln Ser Phe Phe Ser Asp Pro Ala Val Pro Val Lys Asn  
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 Glu Ala Arg Lys Val Phe Cys Glu Val Tyr Lys Glu Arg Leu Phe Gly  
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 Lys Thr Tyr Asp Pro Ser Ile Asn Cys Thr Val Glu Glu Met Thr Glu  
 405 410 415  
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 485 490 495  
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 Ser Tyr Lys Lys Ile Gly Tyr Tyr Asp Ser Thr Lys Asp Asp Leu Ser  
 545 550 555 560  
 Trp Ser Lys Thr Asp Lys Trp Ile Gly Gly Ser Pro Pro Ala Asp Gln  
 565 570 575  
 Thr Leu Val Ile Lys Thr Phe Arg Phe Leu Ser Gln Lys Leu Phe Ile  
 580 585 590  
 Ser Val Ser Val Leu Ser Ser Leu Gly Ile Val Leu Ala Val Val Cys  
 595 600 605  
 Leu Ser Phe Asn Ile Tyr Asn Ser His Ala Arg Tyr Ile Gln Asn Ser  
 610 615 620  
 Gln Pro Asn Leu Asn Asn Leu Thr Ala Val Gly Cys Ser Leu Ala Leu  
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 Gln Phe Pro Phe Val Cys Gln Ala Arg Leu Trp Leu Leu Gly Leu Gly  
 660 665 670  
 Phe Ser Leu Gly Tyr Gly Ser Met Phe Thr Lys Ile Trp Trp Val His  
 675 680 685  
 Thr Val Phe Thr Lys Lys Glu Glu Lys Lys Glu Trp Arg Lys Thr Leu  
 690 695 700

Glu Pro Trp Lys Leu Tyr Ala Thr Val Gly Leu Leu Val Gly Met Asp  
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 Val Leu Thr Leu Ala Ile Trp Gln Ile Val Asp Pro Leu His Arg Thr  
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 <211> 961  
 <212> PRT  
 <213> Homo Sapiens

<400> 21  
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 Ile His Pro Pro Trp Glu Gly Gly Ile Arg Tyr Arg Gly Leu Thr Arg  
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 Asp Gln Val Lys Ala Ile Asn Phe Leu Pro Val Asp Tyr Glu Ile Glu  
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 Tyr Val Cys Arg Gly Glu Arg Glu Val Val Gly Pro Lys Val Arg Lys  
 65 70 75 80  
 Cys Leu Ala Asn Gly Ser Trp Thr Asp Met Asp Thr Pro Ser Arg Cys  
 85 90 95  
 Val Arg Ile Cys Ser Lys Ser Tyr Leu Thr Leu Glu Asn Gly Lys Val  
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 Phe Arg Cys Asp Pro Asp Phe His Leu Val Gly Ser Ser Arg Ser Ile  
 130 135 140  
 Cys Ser Gln Gly Gln Trp Ser Thr Pro Lys Pro His Cys Gln Val Asn  
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 Arg Thr Pro His Ser Glu Arg Arg Ala Val Tyr Ile Gly Ala Leu Phe  
 165 170 175  
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Glu	Met	Ala	Leu	Glu	Asp	Val	Asn	Ser	Arg	Arg
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Tyr	Glu	Leu	Lys	Leu	Ile	His	His	Asp	Ser	Lys
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Ile	Leu	Met	Pro	Gly	Cys	Ser	Ser	Val	Ser	Thr
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Ala	Arg	Met	Trp	Asn	Leu	Ile	Val	Leu	Ser	Tyr
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Ala	Leu	Ser	Asn	Arg	Gln	Arg	Phe	Pro	Thr	Phe
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Ser	Ala	Thr	Leu	His	Asn	Pro	Thr	Arg	Val	Lys
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Gly	Trp	Lys	Lys	Ile	Ala	Thr	Ile	Gln	Gln	Thr
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Ser	Thr	Leu	Asp	Asp	Leu	Glu	Glu	Arg	Val	Lys
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Ile	Thr	Phe	Arg	Gln	Ser	Phe	Phe	Ser	Asp	Pro
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Met	Asn	Ser	Ser	Ser	Phe	Glu	Gly	Val	Ser	Gly
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Ser	Trp	Ser	Lys	Thr	Asp	Lys	Trp	Ile	Gly	Ser
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Cys	Leu	Ser	Phe	Asn	Ile	Tyr	Asn	Ser	His	Val
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									Trp	Trp
									Val	

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 <212> DNA  
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&lt;400&gt; 42

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 385 390 395 400  
 Ala Leu Ile Phe Leu Leu Ile Asn Phe Arg Tyr Arg Asn His Arg Phe  
 405 410 415  
 Ile Lys Met Ser Ser Pro Asn Leu Asn Asn Ile Ile Ile Ala Gly Ser  
 420 425 430  
 Ile Cys Thr Phe Ala Ser Val Ile Met Leu Gly Leu Asp Thr Arg Ile  
 435 440 445  
 Val Ser Pro Asp Val Phe Val Trp Leu Cys Tyr Thr Lys Thr Trp Thr  
 450 455 460  
 Leu Cys Ile Gly Phe Thr Leu Ser Phe Gly Ala Met Phe Ser Lys Thr  
 465 470 475 480  
 Trp Arg Val His Ser Ile Phe Thr Asn Ile Arg Met Asp Arg Lys Ala  
 485 490 495  
 Ile Lys Asp Ser Lys Leu Phe Ile Ile Leu Gly Ile Leu Leu Phe Ile  
 500 505 510

Asp Ile Cys Val Leu Val Thr Trp Ala Phe Val Ser Pro Phe Ser Tyr  
 515 520 525  
 Thr Val Glu Gln Phe Lys Phe Leu Ile Phe Ser Ala Arg Arg Asn Ile  
 530 535 540  
 Val Ile Ile Pro Glu Val Glu Lys Cys Asn Ser Ser His Ser Gly Val  
 545 550 555 560  
 Phe Gln Ala Val Leu Tyr Ala Val Lys Gly Val Leu Met Ile Leu Gly  
 565 570 575  
 Cys Phe Leu Ala Trp Glu Thr Arg His Val Asn Val Pro Ala Leu Asn  
 580 585 590  
 Asp Ser Lys Tyr Ile Gly Thr Ser Val Tyr Cys Cys Val Val Met Ser  
 595 600 605  
 Val Leu Gly Leu Ser Thr Ser Val Ile Leu Gln Glu Arg Val Asn Glu  
 610 615 620  
 Met Phe Ser Leu Ala Ser Phe Phe Val Ile Phe Ser Thr Thr Leu Thr  
 625 630 635 640  
 Leu Cys Leu Val Phe Val Pro Lys Val Arg Phe Leu Glu Leu Cys Cys  
 645 650 655  
 Ile Gly Ser

<210> 44  
 <211> 585  
 <212> PRT  
 <213> Homo Sapiens

<400> 44  
 Met Val Gly Leu Leu Leu Phe Phe Phe Pro Ala Ile Phe Leu Glu Val  
 1 5 10 15  
 Ser Leu Leu Pro Arg Ser Pro Gly Arg Lys Val Leu Leu Ala Gly Ala  
 20 25 30  
 Ser Ser Gln Arg Ser Val Ala Arg Met Asp Gly Asp Val Ile Ile Gly  
 35 40 45  
 Ala Leu Phe Ser Val His His Gln Pro Pro Ala Glu Lys Val Pro Glu  
 50 55 60  
 Arg Lys Cys Gly Glu Ile Arg Glu Gln Tyr Gly Ile Gln Arg Val Glu  
 65 70 75 80  
 Ala Met Phe His Thr Leu Asp Lys Ile Asn Ala Asp Pro Val Leu Leu  
 85 90 95  
 Pro Asn Ile Thr Leu Gly Ser Glu Ile Arg Asp Ser Cys Trp His Ser  
 100 105 110  
 Ser Val Ala Leu Glu Gln Ser Ile Glu Phe Ile Arg Asp Ser Leu Ile  
 115 120 125  
 Ser Ile Arg Asp Glu Lys Asp Gly Ile Asn Arg Cys Leu Pro Asp Gly  
 130 135 140  
 Gln Ser Leu Pro Pro Gly Arg Thr Lys Lys Pro Ile Ala Gly Val Ile  
 145 150 155 160  
 Gly Pro Gly Ser Ser Ser Val Ala Ile Gln Val Gln Asn Leu Leu Gln  
 165 170 175  
 Leu Phe Asp Ile Pro Gln Ile Ala Tyr Ser Ala Thr Ser Ile Asp Leu  
 180 185 190  
 Ser Asp Lys Thr Leu Tyr Lys Tyr Phe Leu Arg Val Val Pro Ser Asp  
 195 200 205  
 Thr Leu Gln Ala Arg Ala Met Leu Asp Ile Val Lys Arg Tyr Asn Trp  
 210 215 220  
 Thr Tyr Val Ser Ala Val His Thr Glu Gly Asn Tyr Gly Glu Ser Gly  
 225 230 235 240  
 Met Asp Ala Phe Lys Glu Leu Ala Ala Gln Glu Gly Leu Cys Ile Ala  
 245 250 255  
 His Ser Asp Lys Ile Tyr Ser Asn Ala Gly Glu Lys Ser Phe Asp Arg  
 260 265 270  
 Leu Leu Arg Lys Leu Arg Glu Arg Leu Pro Lys Ala Arg Val Val Val

275 280 285  
 Cys Phe Cys Glu Gly Met Thr Val Arg Gly Leu Leu Ser Ala Met Arg  
 290 295 300  
 Arg Leu Gly Val Val Gly Glu Phe Ser Leu Ile Gly Ser Asp Gly Trp  
 305 310 315  
 Ala Asp Arg Asp Glu Val Ile Glu Gly Tyr Glu Val Glu Ala Asn Gly  
 325 330 335  
 Gly Ile Thr Ile Lys Leu Gln Ser Pro Glu Val Arg Ser Phe Asp Asp  
 340 345 350  
 Tyr Phe Leu Lys Leu Arg Leu Asp Thr Asn Thr Arg Asn Pro Trp Phe  
 355 360 365  
 Pro Glu Phe Trp Gln His Arg Phe Gln Cys Arg Leu Pro Gly His Leu  
 370 375 380  
 Leu Glu Asn Pro Asn Phe Lys Arg Ile Cys Thr Gly Asn Glu Ser Leu  
 385 390 395 400  
 Glu Glu Asn Tyr Val Gln Asp Ser Lys Met Gly Phe Val Ile Asn Ala  
 405 410 415  
 Ile Tyr Ala Met Ala His Gly Leu Gln Asn Met His His Ala Leu Cys  
 420 425 430  
 Pro Gly His Val Gly Leu Cys Asp Ala Met Lys Pro Ile Asp Gly Ser  
 435 440 445  
 Lys Leu Leu Asp Phe Leu Ile Lys Ser Ser Phe Ile Gly Val Ser Gly  
 450 455 460  
 Glu Glu Val Trp Phe Asp Glu Lys Gly Asp Ala Pro Gly Arg Tyr Asp  
 465 470 475 480  
 Ile Met Asn Leu Gln Tyr Thr Glu Ala Asn Arg Tyr Asp Tyr Val His  
 485 490 495  
 Val Gly Thr Trp His Glu Gly Val Leu Asn Ile Asp Asp Tyr Lys Ile  
 500 505 510  
 Gln Met Asn Lys Ser Gly Val Val Arg Ser Val Cys Ser Glu Pro Cys  
 515 520 525  
 Leu Lys Gly Gln Ile Lys Val Ile Arg Lys Gly Glu Val Ser Cys Cys  
 530 535 540  
 Trp Ile Cys Thr Ala Cys Lys Glu Asn Glu Tyr Val Gln Asp Glu Phe  
 545 550 555 560  
 Thr Cys Lys Ala Cys Asp Leu Gly Trp Trp Pro Asn Ala Asp Leu Thr  
 565 570 575  
 Gly Cys Glu Pro Ile Pro Val Arg Tyr  
 580 585

&lt;210&gt; 45

&lt;211&gt; 369

&lt;212&gt; PRT

&lt;213&gt; Escherichia coli

&lt;400&gt; 45

Met Lys Arg Asn Ala Lys Thr Ile Ile Ala Gly Met Ile Ala Leu Ala  
 1 5 10 15  
 Ile Ser His Thr Ala Met Ala Asp Asp Ile Lys Val Ala Val Val Gly  
 20 25 30  
 Ala Met Ser Gly Pro Ile Ala Gln Trp Gly Ile Met Glu Phe Asn Gly  
 35 40 45  
 Ala Glu Gln Ala Ile Lys Asp Ile Asn Ala Lys Gly Gly Ile Lys Gly  
 50 55 60  
 Asp Lys Leu Val Gly Val Glu Tyr Asp Asp Ala Cys Asp Pro Lys Gln  
 65 70 75 80  
 Ala Val Ala Val Ala Asn Lys Ile Val Asn Asp Gly Ile Lys Tyr Val  
 85 90 95  
 Ile Gly His Leu Cys Ser Ser Ser Thr Gln Pro Ala Ser Asp Ile Tyr  
 100 105 110  
 Glu Asp Glu Gly Ile Leu Met Ile Ser Pro Gly Ala Thr Ala Pro Glu  
 115 120 125



A1  
 cont.

Leu Thr Gln Arg Gly Tyr Gln His Ile Met Arg Thr Ala Gly Leu Asp  
 130 135 140  
 Ser Ser Gln Gly Pro Thr Ala Ala Lys Tyr Ile Leu Glu Thr Val Lys  
 145 150 155 160  
 Pro Gln Arg Ile Ala Ile Ile His Asp Lys Gln Gln Tyr Gly Glu Gly  
 165 170 175  
 Leu Ala Arg Ser Val Gln Asp Gly Leu Lys Ala Ala Asn Ala Asn Val  
 180 185 190  
 Val Phe Phe Asp Gly Ile Thr Ala Gly Glu Lys Asp Phe Ser Ala Leu  
 195 200 205  
 Ile Ala Arg Leu Lys Lys Glu Asn Ile Asp Phe Val Tyr Tyr Gly Gly  
 210 215 220  
 Tyr Tyr Pro Glu Met Gly Gln Met Leu Arg Gln Ala Arg Ser Val Gly  
 225 230 235 240  
 Leu Lys Thr Gln Phe Met Gly Pro Glu Gly Val Gly Asn Ala Ser Leu  
 245 250 255  
 Ser Asn Ile Ala Gly Asp Ala Ala Glu Gly Met Leu Val Thr Met Pro  
 260 265 270  
 Lys Arg Tyr Asp Gln Asp Pro Ala Asn Gln Gly Ile Val Asp Ala Leu  
 275 280 285  
 Lys Ala Asp Lys Lys Asp Pro Ser Gly Pro Tyr Val Trp Ile Thr Tyr  
 290 295 300  
 Ala Ala Val Gln Ser Leu Ala Thr Ala Leu Glu Arg Thr Gly Ser Asp  
 305 310 315 320  
 Glu Pro Leu Ala Leu Val Lys Asp Leu Lys Ala Asn Gly Ala Asn Thr  
 325 330 335  
 Val Ile Gly Pro Leu Asn Trp Asp Glu Lys Gly Asp Leu Lys Gly Phe  
 340 345 350  
 Asp Phe Gly Val Phe Gln Trp His Ala Asp Gly Ser Ser Thr Ala Ala  
 355 360 365  
 Lys

<210> 46  
 <211> 344  
 <212> PRT  
 <213> Escherichia coli

<400> 46  
 Glu Asp Ile Lys Val Ala Val Val Gly Ala Met Ser Gly Pro Val Ala  
 1 5 10 15  
 Gln Tyr Gly Asp Gln Glu Phe Thr Gly Ala Glu Gln Ala Val Ala Asp  
 20 25 30  
 Ile Asn Ala Lys Gly Gly Ile Lys Gly Asn Lys Leu Gln Ile Ala Lys  
 35 40 45  
 Tyr Asp Asp Ala Cys Asp Pro Lys Gln Ala Val Ala Val Ala Asn Lys  
 50 55 60  
 Val Val Asn Asp Gly Ile Lys Tyr Val Ile Gly His Leu Cys Ser Ser  
 65 70 75 80  
 Ser Thr Gln Pro Ala Ser Asp Ile Tyr Glu Asp Glu Gly Ile Leu Met  
 85 90 95  
 Ile Thr Pro Ala Ala Thr Ala Pro Glu Leu Thr Ala Arg Gly Tyr Gln  
 100 105 110  
 Leu Ile Leu Arg Thr Thr Gly Leu Asp Ser Asp Gln Gly Pro Thr Ala  
 115 120 125  
 Ala Lys Tyr Ile Leu Glu Lys Val Lys Pro Gln Arg Ile Ala Ile Val  
 130 135 140  
 His Asp Lys Gln Gln Tyr Gly Glu Gly Leu Ala Arg Ala Val Gln Asp  
 145 150 155 160  
 Gly Leu Lys Lys Gly Asn Ala Asn Val Val Phe Phe Asp Gly Ile Thr  
 165 170 175  
 Ala Gly Glu Lys Asp Phe Ser Thr Leu Val Ala Arg Leu Lys Lys Glu

180 185 190  
 Asn Ile Asp Phe Val Tyr Tyr Gly Gly Tyr His Pro Glu Met Gly Gln  
 195 200 205  
 Ile Leu Arg Gln Ala Arg Ala Ala Gly Leu Lys Thr Gln Phe Met Gly  
 210 215 220  
 Pro Glu Gly Val Ala Asn Val Ser Leu Ser Asn Ile Ala Gly Glu Ser  
 225 230 235 240  
 Ala Glu Gly Leu Leu Val Thr Lys Pro Lys Asn Tyr Asp Gln Val Pro  
 245 250 255  
 Ala Asn Lys Pro Ile Val Asp Ala Ile Lys Ala Lys Lys Gln Asp Pro  
 260 265 270  
 Ser Gly Ala Phe Val Trp Thr Thr Tyr Ala Ala Leu Gln Ser Leu Gln  
 275 280 285  
 Ala Gly Leu Asn Gln Ser Asp Asp Pro Ala Glu Ile Ala Lys Tyr Leu  
 290 295 300  
 Lys Ala Asn Ser Val Asp Thr Val Met Gly Pro Leu Thr Trp Asp Glu  
 305 310 315 320  
 Lys Gly Asp Leu Lys Gly Phe Glu Phe Gly Val Phe Asp Trp His Ala  
 325 330 335  
 Asn Gly Thr Ala Thr Asp Ala Lys  
 340

A'  
 concl.